

Ergodic Properties of Geodesic Flows on Closed
Riemannian Manifolds of Negative Curvature, by
D. V. Anosov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1250-1252.

Amer Math Soc

Sci -
Dec 63

Integral Representations of Functions Which are
Holomorphic in Convex Regions of C^n Space, by
L. A. Aizenberg, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 6, 1963,
pp 1247-1249.

Amer Math Soc

Sci -
Dec 63

Effect of Stimulating the Peripheral End of the Splanchnic Nerve on the Secretory Function of the Adrenal Cortex, by V. M. Rodionov, L. V. Orlova, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences Sections, Vol CLI, No 5, 1963, pp 1238-- .

CB

Sci
Aug 64

S-1077/63

Hemoglobin Types in the Young Acipenseridae (Sturgeons)
by L. F. Golovanenko. NY-7919

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5, 1963,
pp 1236-1237.

#JPPC

Sci - Med

Nov 63

Vagal Escape and the Tarchanoff-Puelma Phenomenon
by E. B. Babskiy, L. S. Ul'yaninskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1232-1235,

CB

Sci-
Aug 64

The Range of Selectivity of Plants for the
Uptake ~~XXX~~ of Mineral Elements, by D. B. Vakhmistrov,
Z. I. Zhurbitskiy, 4 pp.'

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1228-1231.

CB

Sci-
Aug 64

The Leech Fauna of the Irkutsk Reservoir in Relation
to the Problem of the Immiscibility of the Baikal and
the Common Palearctic Faunae, by E. I. Lukin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1225-1227.

CB

Sci-
Aug 64

ELECTRON MICROSCOPIC STUDY OF SUNFLOWER SEEDS
AND THE ACCUMULATION OF RESERVE SUBSTANCES, BY
I. N. SVESHNIKOVA, YU. P. BOLYAKINA, 5 PP.
14 CL
RUSSIAN, PER, DOK AK NAUK SSSR, NO 5, 1963, PP 1222-
1224.

JPRS 21733

SCI-BIOL & MED SCI
NOV. 63

241,291

Characteristics of the Dark Reaction of
Interconversion of Xanthophylls, by N. V. Bazhanova,
D. I. Sapozhnikov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, & Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1219-1221.

CB

Sci-
Aug 64

Diurnal Dynamics of Electrical Activity of Plants Under
A Functional Load, by A. D. Semenerko, N. A. Khvedelidze,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 6, 1963, pp 1215-1218.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Optical Rotatory Dispersion of Deoxyribonucleic Acid
Extracted From T-2 Bacteriophage, by G. A. Dvorkin,
E. I. Golub, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1211-1214

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Some Interrelationships of Structure and
Mechanism of Aciton in Several Tetracycline
Antibiotics, by V. K. Plakunov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLY, No 5, 1963, pp 1207-1210.

CB

Sci-
Aug 64

The Ecological Regulation of the Seasonal Cycle
in the Malaria Mosquito, *Anopheles Bifurcatus* L.
(Diptera, Culicidae), E. B. Vinogradova, 3 pp.

RUSSIAN, per, Dok Akad Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1204-1206.

CB

Sci-
Aug 64

Radioautographic Investigation of the Duration of
the Stages in the Mitotic Cycle of Cells of Loose,
Shapeless Connective Tissue in Normal Condition,
by N. G. Khrushchov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 5, 1963, pp 1201-1203.

CB

Sci-
Aug 64

Stimulation of Cell Division by Dichloroacetyl Compounds, by G. L. Zhdanov, I. B. Sorokina, ~~XX~~ et al, 2,pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences Sections, Vol CLI, No ~~8~~ 5, 1963, pp 1198-1200.

CB

Sci-
Aug 64

XX
S-941/63

Cytochemical Properties of Interphase Cell Nuclei With
Different Physiological Functions, by N. L. Delone,
A. N. Danilina. (NY-7874)

RUSSIAN, per, Dok Ak Nauk SSSR, Moscow, Vol CLI, No 5,
1963, pp 1195-1197.

*JPRS

Sci - Biol & Med Sci
Oct 63

Characteristic Features of Cation Exchange in
Acid Medium on Cation Exchangers with Carboxylic
Functional Groups, by A. Z. A. Krivchik,
N. F. Ermolenko, 3 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology Section, Vol 41, No 5, 1963,
pp 1147-1149.

CB

Sci

Apr 64

Characteristic Features of Clinker Formation
during the Roasting of Charges Consisting of
CaO (B) and Calcium Carbonate, by P. P. Budnikov,
S. M. Royak, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology Section, Vol 41, No 5, 1963,
pp 1143-1146.

CB

Sci

Apr 64

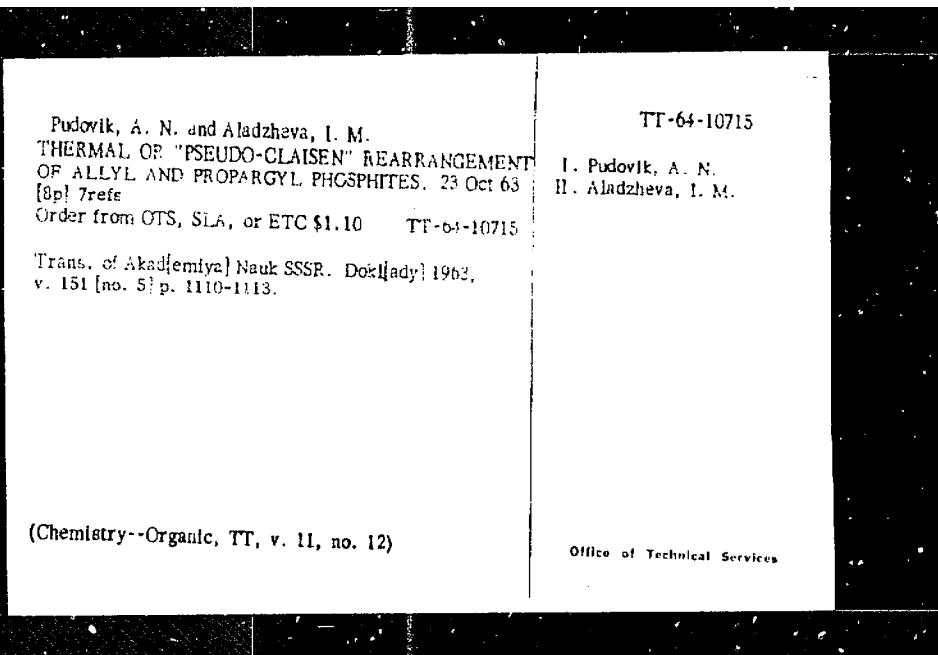
Theoretical Principles of the Crystallization
Column, by A. G. Anikin, 4 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology Section, Vol 6, No 5, 1963,
pp 1139-1142. LLI

CB

Sci

Apr 64

Blyumberg, E. A., Norikov, Yu. D., and Emanuel, N. M. THE ROLE OF SURFACE IN THE CHAIN-PROPAGATING REACTION IN THE LIQUID-PHASE OXIDATION OF n-BUTANE. [1964] 5p Order from ATS \$8.00 Trans. of Akad[emiya] Nauk SSSR. Dokl[ady] 1963, v. 151, no. 5, p. 1127-1130.	TT-64-12752 I. Blyumberg, E. A. II. Norikov, Yu. D. III. Emanuel, N. M. IV. ATS-85R74R V. Associated Technical Services, Inc., East Orange, N. J. TT-64-17436	
(Chemistry--Organic, TT, v. 11, no. 12)	Office of Technical Services	



ANTICHOLOLINESTERASE PROPERTIES OF SOME O-ETHYL-S-
ALKYLMETHYLTHIOPHOSPHONATES BY N. N. GODOVIKOV,
9 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLI, NO 5,
MAY 1963, PP 1104-1107.

JPRS 21625

SCI-CHEM
NOV. 63

240,605

Controlled Modification of the Properties of Macro-
molecular Compounds, by K. Andrianov.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5,
1963, pp 1093-1096.
SIC

Sci-Chem
May 64

256,799

THE INFLUENCE OF AIR HUMIDITY ON THE DEVELOPMENT OF
CONVECTIVE MOTIONS IN A CLOUDLESS ATMOSPHERE, BY
N. I. KAKKAR VUL'FSON, 7 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CLI, NO 5, 1963,
PP 1089-1092.

ALL 9022551 1963
JPRS 21721 (286) 00-0000

SCI-EAR SCI
NOV. 63

241,253

Investigation of Negative Spark Mechanisms, by
I. S. Stekol'nikov, A. V. Shkilev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1085-1093.

Amer Inst of Phys
Sov Phys - Dok
VOL VIII, No 8

Sci
Mar 64

Expansions for the Neighborhood of the Critical Temperature of a Phase Transition Which Are Asymptotic for Weak Interaction, as Obtained in a Modified Formulation of the Problem of a Nonideal Bose-Einstein System, by V. V. Tolmachev, 3 pp.

RUSSIAN, per, Dokl Nauk SSSR, Physics Section, Vol CLI, No 5, 1963, pp 1081-1084.

Amer Inst of Phys
EXX R
Sov Phys - Dok
Vol VIII, No 13

Sci
Mar 64

The Paramagnetic Component of the Magnetic Susceptibility
of A^{III}B^V Semiconducting Compounds From X-Ray Analysis
Data, by N. N. Sirota, N. M. Olekhovich, 1 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1079-1080.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

The Microwave Spectrum of the F₂HC-CH₂F Molecule, by
E.I. A. Mukhtarov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1076-1078.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Anisotropy of the Ion-Electron Emission Coefficient
of Single Crystals, by E. S. Mashkova, V. A. Molchanov,
et al, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1074-1075. 7692219

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

FTU-7T-64-130

Mar 64

Pyramidal Slip in Zinc Crystals, by F. F. Lavrent'ev,
O. P. Salita, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1070-1073.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

A Study of the Structure of Cadmium Sulfide at High Pressures up to 90 Kilobars, by S. S. Kabalkina, Z. V. Troitskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section, Vol CLI, No 3, 1963, pp 1063-1070.

5

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 3

Sci
Mar 64

Specific Heat at Constant Volume of Water and Steam in
Single- and Double-Phase Regions Adjoining the
Boundary Curve Which Includes the Critical Point,
by Kh. I. Amirkhanov, A. M. Kerimov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1064-1067.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 61

Valve and Diffusion Photo-emf's, by E. I. Adirovich,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1060-1063

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

The Contact Problem in the Theory of Elasticity for
Bodies of Bounded Dimensions, by A. F. Khrustalev,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section, Vol CLI,
No 5, 1963, pp 1056-1059.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

The Stability of Axisymmetric Deformations of Spherical Shells Under Axisymmetric Loads, by A. V. Pogorelov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section, Vol CLI,
No 5, 1963, pp 1053-1055.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8
OTC TT-68-20570 (6pp)
NNSH TT F-2838
(X.S. [unclear])

Sci
Mar 64

Periodic Waves Generated by a Source Above an Inclined Bottom, by L. M. Stretenskiy, 3 pp.

RUSSIAN, per, Dokl Nauk SSR, Physics Section, Vol CLI, No 5, 1963, pp 1050-1052.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 3

Sci

Mar 64

A Method for Calculating the Flow of a Rarefied Gas,
by B. V. Kuksenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1042-1045.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

FTD - MTR-54-114
Gov T Doc Only (Not Fwd)

Navy TR 3878/APL T/04

The Method of Integral-Moment Kinetic Equations, by
R. G. Barantsev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 1038-1041.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Rrealizable Formulas of the Logic of Propositions,
by V. A. Jankov, 3 pp.

RUSSIAN, per, Dok Ak Nauk KASSSR, Vol CLI, No 5, 1963,
pp 1035-1037.

Amer Math Soc

Sci -
Dec 63

A Study of the Reduction of the MnO₄ Anion
at a Dropping Mercury Electrode,
by B. N. Rybakov, N. V. Nikolayeva-Fedorovich, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 5, 1963, pp 1135-1138.

CB

Sci-
Aug 64

Convergence of the Orthogonal Series of Laguerre,
Hermite and Jacobi, by V. A. Medvedev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5, 1963,
pp 1031-1034.

Amer Math Soc

Sci -
Dec 63

A Study of the Structure of complexes Formed
by Aliphatic Organolithium, Compounds,
by A. N. Rodionov, T. V. Talalayeva, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical
Chemistry Section, Vol CLI, No 5, 1963,
pp 1131-1134.

CB

Sci-
Aug 64

A Study of the Structure of Complexes Formed
by Aliphatic Organolithium Role of the Surface in
Chain Propagation Reactions, in the Liquid Phase
Oxidation of N-Butane, by E. A. Blyumberg,
Yu. D. Norikov, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 5, 1963, pp 1127-1130.

CB

Sci-
Aug 64

On a Class of Algorithms Over Finite Sets,, by
Ju. I. Zuravlev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, vVol CLI, No 5, 1963,
pp 1025-1028.

Amer Math Soc

Sci -
Dec 63

Kinetics of Benzoyl Peroxide Decomposition in
Acetylenic Hydrocarbons, by I. M. Barkalov,
V. I. Gol'danskiy, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 5, 1963, pp 1123-1126.

CB

Sci=
Aug 64

On Dyadic Spaces, by B. Efimov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5, 1963,
pp 1021-1024.

Amer Math Soc

Sci -
Dec 63

Addition Theorems for the Weights of Topological Spaces, by V. Golstinskii, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5, 1963,
pp 1018-1020.

Amer Math Soc

Sci -
Dec 63

The Sum of the Differences of the Eigenvalues of
Two Singular Sturm-Liouville Operators, by
R. G. Coeyev, B. M. Levitan, 5 pp.

RUSSEH, per, Dok Ak Nauk SSSR, Vol 67, No 5, 1963,
pp 1015-1017.

Amer Math Soc

244,115

Sov ~
Dec 63

Characterization of Certain Classes of Finite Groups,
by Ja. G. Berkovic, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5, 1963,
pp 1007-1009.

*JPRS

Sci -
Dec 63

Estimates in the Theory of Regular Functions of Two
Complex Variables, by I. I. Bavrin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol 612, No 5, 1963,
pp 1003-1006.

Amer Math Soc

Ed ~
Dec 63

244,146

A Variational Method of Solving Extremum Problems
in Certain Classes of Analytic Functions, by
I. A. Aleksandrov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 5, 1963,
pp 999-N02.

O
Amer Math Soc

Sci -
Dec 63

Recruiting Response in Dogs During the Formation of
a Conditioned Reflex, by G. T. Sakhulina,
G. Kh. Merzhanova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 989- .

CB

Sci-
Aug 64

Study of the Electron Paramagnetic Resonance in
the Retina Upon Exposure to the Action of Light,
by M. A. Ostrovskiy, 5 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 4,
1963, pp 986-988.
NIH 2-12-64

Sci - Biol & Med, Electron
Apr 64

253,747

Plasma Nonesterified Fatty Acids in Rats Subjected
to Gravitational Acceleration, by A. A. Gyurdzhian,
M. A. Lomova, et al, 6 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 4,
1963, pp 982-986. 9223418
NASA TT F-197

Sci 1-B & M Sci
Aug 64

265,572

Blood Supply to the Heart and the Demand for Oxygen by the Myocardium During Transverse Accelerations, by A. D. Voskresenskiy, A. A. Kiselev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences Sections, Vol CLI, No 4, 1963, pp 978-981.

CB

Sci-
Aug 64

Interneuronal Synapses of the Inferior Colliculi,
by E. E. Granstrem, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 975-977.

CB

Sci-
Aug 64

Chemical Transformations of Deoxyribonucleic Acid
Due to the Action of Ultrasonic Vibrations,
by I. E. El'piner, F. I. Braginskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 971-974.

CB

Sci-
Aug 64

Chemical Nature of So-Called Salep-Mannan,
by B. N. Stepanenko, N. K. Shcherbukhina, 4 pp.

RUSSIAN, per, Dok AK Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 967-970.

CB

Sci-
Aug 64

Availability of Mitochondrial ATP for the
Phosphofructokinase Reaction of Glycolysis,
by E. A. Pinus, N. M. Sisakyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 963-966.

CB

Sci-
Aug 64

Detection by a Biochemical Method of Choline Receptor Substances in Poikilotherm and Homeotherm Animals, by S. N. Nistratova, T. M. Turpayev, 2 pp.

RUSSIAN, per, Dok AK Nauk SSSR, Biolog Sciences Sections, Vol CLI, No 4, 1963, pp 961-962.

CB

Sci-
Aug 64

Synthesis of Carbohydrates in Plants, by
E. A. Boichenko, T. M. Udel'nova, 2 pp.

RUSSIAN, per, Dok AK Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 959-960.

CB

Sci-
Aug 64

Mechanisms of Muscle Contraction From X-Ray Data, by
L. A. Mel'nikov, L. L. Razumova, et al, 4 pp.

RUSSIAN, per, DokAK Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 955-958.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Biochemical Changes in the Metabolism of
Staphylococcus Aureus 209P Related to Its
Resistance to Tetracycline, by V. K. Plakunov, 3 pp.

RUSSIANF per, Dok Ak Nauk SSSR, Biolog Sciences
Sections, Vol CLI, No 4, 1963, pp 952-954.

CB

Sci-
Aug 64

The Rates of High Temperature Carbon Recrystallization and Dissolution in Ferrite, by
G. K. L'vov, 2 pp.
RUSSIAN, per, Dok Ak Nauk SSSR, Chemical
Technology Section, Vol 41, No 4, 1963,
pp 902-903.

CB

Sci

Apr 64

The Molecular MEchanism of the Autohesion of
Polymers Having an Ordered Structure,
by B. P. Shtarkman, S. S. Voyutskiy, et al, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 4, 1963, pp 898-901.

CB

Sci-
Aug 64

A Rigorous Method of Calculating the Activation
Energy of Electrochemical Reactions,
by B. I. Tomilov, I. A. Loshkarev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 4, 1963, pp 894-897.

CB

Sci-
Aug 64

The Step Path Followed by Radiation Chemical Reactions Involving Compounds of Aromatic Nature in an Aqueous Medium, by S. A. Safarov, 4pp

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry Section, Vol CLI, no 4, 1963, pp 890-893.

CB

Sci-
Aug 64

The Mechanism of the Decomposition of Ammonium Perchlorate, by A. V. Rayevskiy, G. V. Manelis, 3 pp

RUSSIAN, per, Dok Ak nauk SSSR, Physical Chemistry Section, Vol CLI, No 4, 1963, pp 886-889.

CB

FTD-TT-64-768(9695057)

Sci-
Aug 64

The Mechanism of the Anodic Activation of Iron,
by V. N. Kabanov, V. D. Kashcheyev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 4, 1963, pp 883-885.

CB

Sci-
Aug 64

Stability and Behavior in an Electric Field of
Nonaqueous Plastic Disperse Systems,
by Yu. F. Deinega, G. V. Vinogradov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR. Physical Chemistry
Section, Vol CLI, No 4, 1963, pp 879-882.

CB

Sci-
Aug 64

A Generalization of the Data on the Viscosities
of Saturated Hydrocarbons at Various Temperatures
and Pressures, by I. F. Golubev, N. A. Agayev, 4pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 4, 1963, pp. 875-878.

CB

Sci-
Aug 64

Cathodic Processes on Disc Electrodes in
Oxide Melts, by V. N. Boronenkov, O. A. Esin, 3 pp.

RUSSIAN, per, Dok AK Nauk SSSR, Physical Chemistry
Section, Vol CLI, No 4, 1963, pp 872-874.

CB

Sci-
Aug 64

CRYSTALLIZATION IN SUPERCOOLED CLOUDS BY V. I.
BELYAYEV, 8 PP.

RUSSIAN, PER, DOKLADY AK NAUK SSSR, VOL CLI, NO 4,
1 AUG 1963, PP 64L-644.

JPRS 21495
SCI-EARTH SCI AND ASTRON NLL(LOAN)Ref: 5828.4
OCT 63 1963(5431)
346,607

Development of a Long Positive Spark in the Case of
an Exponential Voltage Wave Front, by
I. S. Stekol'nikov, A. V. Shkilev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 837-840.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 3

Sci

Mar 64

Formation of Plane Hexagonal Nets During Polygonization
by A. L. Roitburd, M. P. Usikov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, p pp 833-836.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Mechanical Properties of Copper Films, by
I. A. Oding, I. T. Aleksanyan, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 829-832.

Amer Inst of Phys
Sov Phys - Dok
vol VIII, No 3

Sci

Mar 64

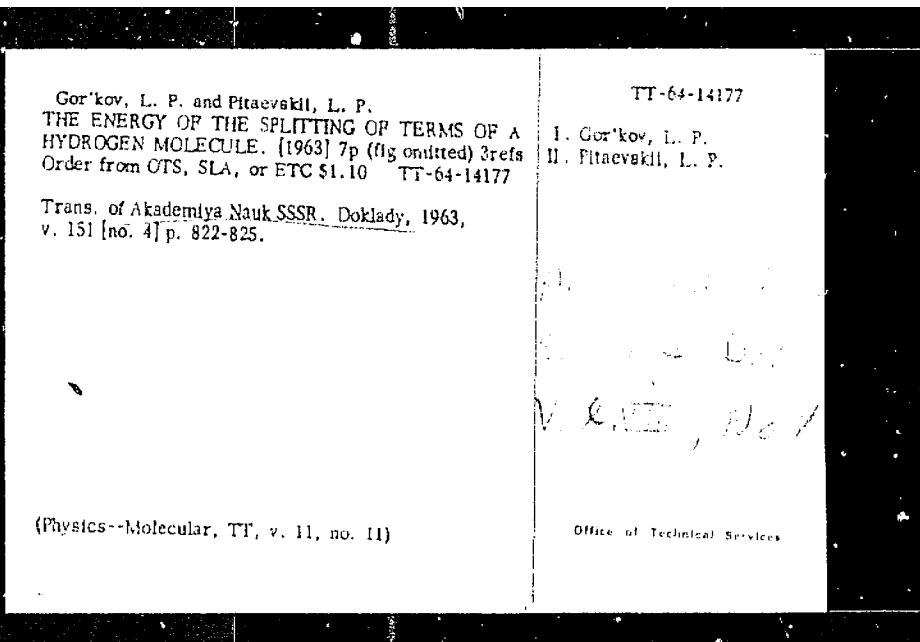
Features of Li_3^8 Formation in the Interaction of 660 MeV
Protons With C_6^{12} , by O. V. Lozhkin, N. A. Perfilov,
et al., 3 pp.

RUSSIAN' per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 5, 1963, pp 826-829.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64



Steady-State Properties of the Completely Ionized
Plasma Surrounding the Earth, by A. A. Vlasov,
F. Kh. Khakimov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 818-821.

Amer Inst of Phys
Sov Phys - Dok
vol VIII, No 3

Sci

NESP 17 F-8630
(X.S. K. C. G.)

Mar 64

A Two-Zone Problem in Convective Heat Transfer, by
N. A. Aydonin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 815-817.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 3

Sci

Mar 64

Radar Studies of the Planet Mars in the Soviet Union, by
V. A. Kotel'nikov, V. M. Dubrovin, et al, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 811-814.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

11/21/77 P-RB/BS
JLZ (Lent to [unclear])

Equivalent Transformations for Logical Networks, by
V. L. Murskii, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 807-810.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Complexity of Contact Circuits Realizing a Function
of Logical Algebra, by R. E. Krichevskiy, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~8~~ Physics Section,
Vol CLI, No 4, 1963, pp 803-806.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8,

Sci

Mar 64

Equivalent Transformations of Various Types of Automata,
by N. A. Gorbovitskaya, 4 pp.

RUSSIAN, per, DokAk Nauk SSSR, Physics Section,
Vol CLI, No 4, 1963, pp 799-802.

Amer Inst of Phys
Sov Phys - Dok
Vol VIII, No 8

Sci

Mar 64

Some Superconstructive Propositional Calculi, by
V. A. Jankov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 4, 1963,
pp 796-798.

Amer Math Soc

Sci -
Dec 63

Bending of Surfaces With An Edge, by V. T. Fomenko,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 4, 1963,
pp 793-795.

Amer Math Soc

Sci -
Dec 63

Estimates and Iterative Methods for Finding a Simple Eigenvalue of an Almost Decomposable Matrix, by Fidler, Miroslav, Ptak, Vlastimil, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 4, 1963, pp 790-792.

Amer Math Soc

Sci -
Dec 63

Asymptotic Formulas for Eigenvalues of the Laplacian
in the Case of a Polygonal Region, by B. V. Fedonov,
65 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLX, No 4, 1963.
pp 786-789.

Amer Math Soc

Sci -
Doc 63

244,145

Estimates for Solutions of General Boundary Value Problems for Elliptic Systems, by V. A. Solonnikov,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CLI, No 4, 1963,
pp 783-785.

Amer Math Soc

Sci -
Soviet
Dec 63

Almost Geodesic Mappings of Affinely Connected
and Riemannian Spaces, by N. S. Sinjukov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Vol CLI, No 4, 1963,
pp 781-782.

Amer Math Soc

Sci -
Dec 63

The Associative Superenveloping Algebra of a Lie
Algebra and Its -Dimensional Representations in
Spaces of Analytic Germs, by P. K. Rasevskii,
3 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Vol CLI, No 4, 1963,
pp 778-780.

Amer Math Soc

Sci -
Dec 63

On a Problem Proposed by P. S. Uryson, by ~~Григорий Лукомский~~
O. V. Lukucievskii, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Vol CLI, No 4, 1963,
pp 775-777.

Amer Math Soc

Sci -
Dec 63

Spectral Analysis of Bounded Non-Selfadjoint Operators
in a Space With an Indefinite Metric, by A. V. Kuzel,
4 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Vol CLI, No 4, 1963,
pp 772-774.

Amer Math Soc

Sci -
Dec 63

Approximation by Entire Functions of Exponential Type to Functions Defined Outside an Interval, by B. D. Kotljar, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Vol CLI, No 4, 1963,
pp 770-771.

Amer Math Soc

Sci -
Dec 63

Convergence of the Collocation Method, by
E. B. Karpilovskaja, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSR, Col VINITI, No 4, 1963,
pp 766-769.

Amer Math Soc

Sci -
Dec 63

The Use of Difference Schemes With Splitting Operators
For Hyperbolic Equations With Variable Coefficients,
by E. G. Djakonov, 5 pp.

ISSJAN, p. 2, Dok Akad SSSR, Vol 163, No 5,
1963, pp 762-765.

Amer Math Soc

Scd -
Dec 63

244,144

Solvability of the First Boundary Value Problem for
Quasilinear Equations With Rapidly Increasing
Coefficients in Orlicz Classes, by M. I. Vishik,
5 pp.

RUSSIAN, pos., Dok Ak Nauk SSSR, Vol. CLI, No 4,
1963, pp 753-761.

Amer Math Soc

Sci. "
Doc 63

244,143

A Contribution to the Theory of Polynomial Operations,
by D. L. Berman, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSR, Col CLI, No 4, 1963,
pp 755-757.

Amer Math Soc

Sci -
Dec 63

A Class of Spaces Containing All Metric and All
Locally Bicompact Spaces, by A. Arhangel'ski, 5 pp.

IRANIAN, yes, Dok Ak Nauk SSSR, Vol 343, No 4,
1963, pp 721-724.

Amem Math Soc

Set 2
Dec 63

244, 142